

Title (en)
CHIMERIC ANTIGEN RECEPTORS TARGETING B-CELL MATURATION ANTIGEN AND USES THEREOF

Title (de)
GEGEN DAS B-ZELL-REIFUNGSANTIGEN GERICHTETE CHIMÄRE ANTIGENREZEPTOREN UND VERWENDUNG DAVON

Title (fr)
RÉCEPTEURS ANTIGÉNIQUES CHIMÉRIQUES CIBLANT L'ANTIGÈNE DE MATURATION DES CELLULES B ET LEURS UTILISATIONS

Publication
EP 3227432 A1 20171011 (EN)

Application
EP 15864826 A 20151204

Priority
• US 201462088309 P 20141205
• US 2015064112 W 20151204

Abstract (en)
[origin: WO2016090320A1] The presently disclosed subject matter provides for methods and compositions for treating multiple myeloma. It relates to chimeric antigen receptors (CARs) that specifically target B cell maturation antigen (BMCA), and immunoresponsive cells comprising such CARs. The presently disclosed BMC A- specific CARs have enhanced immune-activating properties, including anti-tumor activity.

IPC 8 full level
C12N 5/07 (2010.01); **C07H 21/04** (2006.01); **C12P 21/08** (2006.01)

CPC (source: EP IL KR RU US)
A61K 35/17 (2013.01 - US); **A61K 39/4611** (2023.05 - EP IL KR RU); **A61K 39/4631** (2023.05 - EP IL KR RU);
A61K 39/464412 (2023.05 - EP IL KR RU); **A61K 39/464417** (2023.05 - EP IL KR RU); **A61P 35/00** (2018.01 - EP IL RU US);
C07K 14/7051 (2013.01 - EP IL KR RU US); **C07K 14/70521** (2013.01 - EP IL KR RU US); **C07K 16/2878** (2013.01 - EP IL KR RU US);
A61K 2239/31 (2023.05 - EP IL KR RU); **A61K 2239/38** (2023.05 - EP IL KR RU); **A61K 2239/48** (2023.05 - EP IL KR RU);
C07K 2317/34 (2013.01 - EP IL KR US); **C07K 2317/622** (2013.01 - EP IL KR US); **C07K 2317/73** (2013.01 - EP IL KR US);
C07K 2317/92 (2013.01 - EP IL KR US); **C07K 2319/02** (2013.01 - EP IL US); **C07K 2319/03** (2013.01 - EP IL KR US);
C07K 2319/33 (2013.01 - EP IL US); **C12N 2740/10043** (2013.01 - EP IL KR US); **C12N 2840/203** (2013.01 - EP IL KR US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2016090320 A1 20160609; AU 2015357526 A1 20170629; AU 2015357526 B2 20220317; AU 2022204181 A1 20220707;
BR 112017011909 A2 20180227; CA 2969870 A1 20160609; CN 107208047 A 20170926; CN 107208047 B 20210921;
CN 113603795 A 20211105; CN 113698497 A 20211126; DK 3227432 T3 20231023; EP 3227432 A1 20171011; EP 3227432 A4 20180822;
EP 3227432 B1 20231011; EP 4310097 A2 20240124; EP 4310097 A3 20240403; ES 2966099 T3 20240418; FI 3227432 T3 20240109;
IL 252617 A0 20170731; IL 252617 B 20220901; IL 295298 A 20221001; JP 2017537925 A 20171221; JP 2020114254 A 20200730;
JP 2022105192 A 20220712; JP 6997620 B2 20220204; KR 20170109538 A 20170929; MX 2017007244 A 20180125;
MX 2022001293 A 20220222; MY 191537 A 20220630; NZ 732563 A 20230127; PH 12017501040 A1 20180305; PL 3227432 T3 20240311;
PT 3227432 T 20231206; RU 2017123548 A 20190114; RU 2017123548 A3 20190717; RU 2761632 C2 20211213; SA 517381666 B1 20220728;
SG 10201900931X A 20190227; SG 11201704549U A 20170728; US 10821135 B2 20201103; US 10918665 B2 20210216;
US 11000549 B2 20210511; US 2018360880 A1 20181220; US 2020276239 A1 20200903; US 2020276240 A1 20200903;
US 2021346432 A1 20211111

DOCDB simple family (application)
US 2015064112 W 20151204; AU 2015357526 A 20151204; AU 2022204181 A 20220615; BR 112017011909 A 20151204;
CA 2969870 A 20151204; CN 201580075540 A 20151204; CN 202111021055 A 20151204; CN 202111021056 A 20151204;
DK 15864826 T 20151204; EP 15864826 A 20151204; EP 23198934 A 20151204; ES 15864826 T 20151204; FI 15864826 T 20151204;
IL 25261717 A 20170601; IL 29529822 A 20220802; JP 2017529746 A 20151204; JP 2020075434 A 20200421; JP 2022077378 A 20220510;
KR 20177018390 A 20151204; MX 2017007244 A 20151204; MX 2022001293 A 20170605; MY PI2017000854 A 20151204;
NZ 73256315 A 20151204; PH 12017501040 A 20170605; PL 15864826 T 20151204; PT 15864826 T 20151204; RU 2017123548 A 20151204;
SA 517381666 A 20170605; SG 10201900931X A 20151204; SG 11201704549U A 20151204; US 201715613638 A 20170605;
US 202016844610 A 20200409; US 202016844759 A 20200409; US 202117228213 A 20210412